

## Author Index

- Alexander, P.W., see Oungpipat, W. 37
- Alexiev, A.  
—, Rubio, S., Deyanova, M., Stoyanova, A., Sicilia, D. and Pérez Bendito, D.  
Improved catalytic photometric determination of iron(III) in cetylpyridinium premicellar aggregates 211
- Allam, N., see Millot, J.-M. 233
- Almuaibed, A.M.  
— and Townshend, A.  
Flow spectrophotometric method for determination of hydrogen peroxide using a cation exchanger for preconcentration 159
- Bakker, E.  
—, Xu, A. and Pretsch, E.  
Optimum composition of neutral carrier based pH electrodes 253
- Bannister, J.V., see Somasundrum, M. 47
- Bilitewski, U., see White, S.F. 243
- Boggia, R., see Forina, M. 109
- Bouazizi, A.  
—, Maaref, H. and Jaffrezic-Renault, N.  
Ag<sup>+</sup>-sensitive ISFET with a chemically modified silica surface 223
- Bradley, J., see White, S.F. 243
- Cadisch, M., see Gloor, A. 93
- Cañizares, P.  
— and Luque de Castro, M.D.  
Fluorimetric flow-through sensor for aluminium speciation 59
- Carroll, M.K.  
—, Conboy, M., Murfin, A. and Tyson, J.F.  
Solid-state microprocessor-controlled detector for doublet peak measurements in flow-injection analysis 143
- Chattopadhyay, P.  
— and Mistry, M.  
Rapid chromite dissolution using a manganese dioxide-lithium sulphate-sulphuric acid mixture for matrix-independent determination of chromium 325
- Clerc, J.T., see Gloor, A. 93
- Clouser, D.L.  
— and Jurs, P.C.  
Simulation of <sup>13</sup>C nuclear magnetic resonance spectra of tetrahydropyrans using regression analysis and neural networks 221
- Conboy, M., see Carroll, M.K. 143
- Conti, P., see Forina, M. 109
- Ćosović, B., see Vojvodić, V. 73
- Curto, M.J., see Galceran, M.T. 307
- Decnop-Weever, D., see Thuy, D.T. 151
- Deyanova, M., see Alexiev, A. 211
- Drava, G., see Forina, M. 109
- Duan, Y.  
—, Li, Y., Tian, X., Zhang, H. and Jin, Q.  
Analytical performance of the microwave plasma torch in the determination of rare-earth elements with optical emission spectrometry 315
- Elleouet, C., see Quentel, F. 85
- Fiehn, O.  
—, Reemtsma, T. and Jekel, M.  
Extraction and analysis of various benzothiazoles from industrial wastewater 297
- Forina, M.  
—, Drava, G., Boggia, R., Lanteri, S. and Conti, P.  
Validation procedures in near-infrared spectrometry 109
- Galceran, M.T.  
—, Curto, M.J., Puignou, L. and Moyano, E.  
Determination of acridine derived compounds in charcoal-grilled meat and creosote oils by liquid chromatographic and gas chromatographic analysis 307
- García de María, C.  
—, Manzano Muñoz, T. and Townshend, A.  
Reactivation of an immobilized enzyme reactor for the determination of acetylcholinesterase inhibitors. Flow injection determination of paraoxon 287
- Gloor, A.  
—, Cadisch, M., Kocsis, T., Schaller, R.B., Hediger, H.-J., Clerc, J.T. and Pretsch, E.  
Design criteria and implementation of hypermedia tools for structure elucidation of organic compounds with spectroscopic methods 93
- González, A.G., see González-Arjona, D. 119
- González-Arjona, D.  
—, Mejías, J.A. and González, A.G.  
HOLMES: a program for target factor analysis 119
- Granadillo, V.A., see Tahán, J.E. 187

- Hall, J., see Somasundrum, M. 47  
Hauser, P.C.  
—, Renner, N.D. and Hong, A.P.C.  
Anion detection in capillary electrophoresis with ion-selective microelectrodes 181  
Hediger, H.-J., see Gloor, A. 93  
Helburn, R.S.  
— and MacCarthy, P.  
Determination of some redox properties of humic acid by alkaline ferricyanide titration 263  
Hernández, L., see La Rosa, C. 273  
Hong, A.P.C., see Hauser, P.C. 181  
Hu, C.-Y.  
— and Xu, L.  
Algorithm for computer perception of topological symmetry 127  
Hu, R.  
—, Takeuchi, T., Jin, J.-Y. and Miwa, T.  
Separation of enantiomers by microcolumn liquid chromatography with methylated  $\beta$ -cyclodextrin as mobile phase additive 173  
  
Jaffrezic-Renault, N., see Bouazizi, A. 283  
Jekel, M., see Fiehn, O. 297  
Jin, J.-Y., see Hu, R. 173  
Jin, Q., see Duan, Y. 315  
Jurs, P.C., see Clouser, D.L. 221  
  
Kankare, J.  
—, Karppi, A. and Takalo, H.  
Novel labelling agents for immunoassay by time-resolved electrogenerated chemiluminescence 27  
Karppi, A., see Kankare, J. 27  
Kocsis, T., see Gloor, A. 93  
Kok, W.Th., see Thuy, D.T. 151  
  
Lajunen, L.H.J., see Parvinen, P. 205  
Lanteri, S., see Forina, M. 109  
La Rosa, C.  
—, Pariente, F., Hernández, L. and Lorenzo, E.  
Determination of organophosphorus and carbamic pesticides with an acetylcholinesterase amperometric biosensor using 4-aminophenyl acetate as substrate 273  
Li, Y., see Duan, Y. 315  
Linert, W., see Vyazovkin, S. 101  
Lorenzo, E., see La Rosa, C. 273  
Luan, P., see Thuy, D.T. 151  
Luque de Castro, M.D., see Cañizares, P. 59  
  
Maaref, H., see Bouazizi, A. 283  
MacCarthy, P., see Helburn, R.S. 263  
Madec, C., see Quentel, F. 85  
Manfait, M., see Millot, J.-M. 233  
Manzano Muñoz, T., see García de María, C. 287  
Mejías, J.A., see González-Arjona, D. 119  
Millot, J.-M.  
—, Allam, N. and Manfait, M.  
Study of the secondary structure of proteins in aqueous solutions by attenuated total reflection Fourier transform infrared spectrometry 233  
Mirić, V., see Vojvodić, V. 73  
Mistry, M., see Chattopadhyay, P. 325  
Miwa, T., see Hu, R. 173  
Moyano, E., see Galceran, M.T. 307  
Murfin, A., see Carroll, M.K. 143  
  
Nghi, T.V., see Thuy, D.T. 151  
Niimi, T., see Suzuki, K. 135  
  
Ono, A., see Suzuki, K. 135  
Oungpipat, W.  
— and Alexander, P.W.  
An amperometric bi-enzyme sensor for glycolic acid determination based on spinach tissue and ferrocene-mediation 37  
  
Pal, A., see Vo-Dinh, T. 67  
Pariente, F., see La Rosa, C. 273  
Parvinen, P.  
— and Lajunen, L.H.J.  
Determination of sulphur by tin, aluminium and indium monosulphide molecular absorption spectrometry using sharp line irradiation sources 205  
Pérez Bendito, D., see Alexiev, A. 211  
Pretsch, E., see Bakker, E. 253  
Pretsch, E., see Gloor, A. 93  
Puignou, L., see Galceran, M.T. 307  
  
Quentel, F.  
—, Elleouet, C. and Madec, C.  
Electrochemical determination of low levels of residual chlorine dioxide in tap water 85  
  
Ramirez, L., see Vo-Dinh, T. 67  
Reemtsma, T., see Fiehn, O. 297  
Renner, N.D., see Hauser, P.C. 181  
Romero, R.A., see Tahán, J.E. 187  
Rongen, H.A.H., see Sparreboom, A. 1  
Rubio, S., see Alexiev, A. 211  
  
Saeki, M., see Suzuki, K. 135  
Sambi, S.S., see Saxena, R. 199  
Saxena, R.  
—, Singh, A.K. and Sambhi, S.S.  
Synthesis of a chelating polymer matrix by immobilizing Alizarin Red-S on Amberlite XAD-2 and its application to the preconcentration of lead(II), cadmium(II), zinc(II) and nickel(II) 199  
Schaller, R.B., see Gloor, A. 93  
Schmid, R.D., see White, S.F. 243  
Shibata, M., see Suzuki, K. 135  
Shirai, T., see Suzuki, K. 135  
Sicilia, D., see Alexiev, A. 211  
Singh, A.K., see Saxena, R. 199

- Somasundrum, M.  
—, Hall, J. and Bannister, J.V.  
Amperometric NADH determination via both direct and mediated electron transfer by NADH oxidase from *Thermus aquaticus* YT-1 47
- Sparreboom, A.  
—, Rongen, H.A.H. and Van Bennekom, W.P.  
Assays for interferons and interleukins in biological matrices 1
- Stoyanova, A., see Alexiev, A. 211
- Suzuki, K.  
—, Niimi, T., Yamamoto, N., Shibata, M., Saeki, M., Ono, A., Shirai, T. and Yanagisawa, S.  
Rapid photometric method for the determination of the mass concentration of nitrogen monoxide and nitrogen dioxide 135
- Tahán, J.E.  
—, Granadillo, V.A. and Romero, R.A.  
Electrothermal atomic absorption spectrometric determination of Al, Cu, Fe, Pb, V and Zn in clinical samples and in certified environmental reference materials 187
- Takalo, H., see Kankare, J. 27
- Takeuchi, T., see Hu, R. 173
- Thuy, D.T.  
—, Decnop-Weever, D., Kok, W.Th., Luan, P. and Nghi, T.V.  
Determination of traces of calcium and magnesium in rare earth oxides by flow-injection analysis 151
- Tian, X., see Duan, Y. 315
- Townshend, A., see Almuaibed, A.M. 159
- Townshend, A., see García de María, C. 287
- Turner, A.P.F., see White, S.F. 243
- Tyson, J.F., see Carroll, M.K. 143
- Van Bennekom, W.P., see Sparreboom, A. 1
- Viallet, P., see Vo-Dinh, T. 67
- Vigo, J., see Vo-Dinh, T. 67
- Vo-Dinh, T.  
—, Viallet, P., Ramirez, L., Pal, A. and Vigo, J.  
Detection of cadmium ion using the fluorescence probe Indo-1 67
- Vojvodić, V.  
—, Čosović, B. and Mirić, V.  
Fractionation of surface active substances on the XAD-8 resin. Part I. Mixtures of model substances 73
- Vyazovkin, S.  
— and Linert, W.  
Reliability of conversion-time dependencies as predicted from thermal analysis data 101
- White, S.F.  
—, Turner, A.P.F., Bilitewski, U., Schmid, R.D. and Bradley, J.  
Lactate, glutamate and glutamine biosensors based on rhodinised carbon electrodes 243
- Wilke, S.  
Impulse-response functions of flow-through detectors based on the membrane-stabilised liquid-liquid interface. Part II. Experimental verification 165
- Xu, A., see Bakker, E. 253
- Xu, L., see Hu, C.-Y. 127
- Yamamoto, N., see Suzuki, K. 135
- Yanagisawa, S., see Suzuki, K. 135
- Zhang, H., see Duan, Y. 315